

**Ordering number CP11631\_LXP3-RS**

Family	Leila	FWHM	7 degrees
Type	Assembly	Efficiency	94 %
LED	XP-E	cd/lm	36.000
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		Suitable for Star PCB
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number CP11634\_LXP3-O-90**

Family	Leila	FWHM	9+41 degrees
Type	Assembly	Efficiency	93 %
LED	XP-E	cd/lm	5.800
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number CP11632\_LXP3-D**

Family	Leila	FWHM	13 degrees
Type	Assembly	Efficiency	94 %
LED	XP-E	cd/lm	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		Suitable for Star PCB
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number CP11633\_LXP3-M**

Family	Leila	FWHM	24 degrees
Type	Assembly	Efficiency	94 %
LED	XP-E	cd/lm	(simulated) 0.000
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		Suitable for Star PCB
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**Ordering number** CP12395\_LXP3-W

Family	Leila	FWHM	42 degrees
Type	Assembly	Efficiency	92 %
LED	XP-E	cd/lm	1.800
Color	White	Gerber File	Available
Diameter	21.6 mm		
Height	14.7 mm		
Style	Round		Star PCB compatible.
Optic Material	PMMA		
Holder Material	PC		
Fastening	Glue		
Status	On production		

**NOTE: The typical divergence will be changed by different color, chip size and chip position tolerance. The typical total divergence is the full angle measured where the luminous intensity is half of the peak value.**



## PRODUCT DATASHEET

### Leila series

last update 10/4/2014

#### GENERAL INFORMATION

- Product series especially designed & optimized for XP-E series of LEDs.
- Special care taken to make light distribution as uniform as possible.
- Lens material optical grade PMMA with high UV and temperature resistance. Allows use of high current and temperature conditions.

Please find more information about used material from below:

[http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94\\_Yellow%20Card.pdf](http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20UL94_Yellow%20Card.pdf)

<http://ledil.fi/sites/default/files/Documents/Technical/Material/PMMA%20N%20PLEXIGLAS-Datasheet.pdf>

- Optic holder molded by high quality PC material (120 degrees of Celcius / 248 degrees of Fahrenheit).

- Fastening to PCB with appropriate adhesive. By clicking link below you can find Ledil recommended glue options.

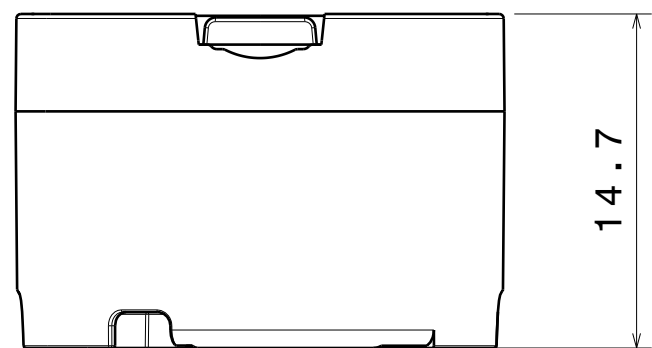
[http://www.ledil.com/datasheets/DataSheet\\_GLUES.pdf](http://www.ledil.com/datasheets/DataSheet_GLUES.pdf)

**NOTE 1: We advise customer to ensure the suitability and sufficiency of the bond in the end product. For example, mechanical stress, vibration and holes on the surface of the circuit board weaken the strength of the glue.**

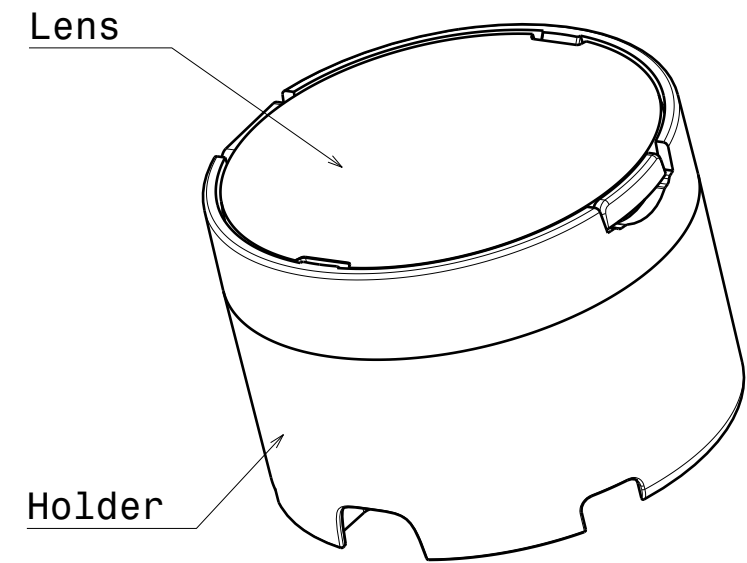
**NOTE 2: All surfaces where glue is applied must be clean, dry and free from grease and dirt. If cleaning of PCB surfaces is needed, please follow strictly the cleaning instructions of your LED manufacturer -this is important as cleaning shall under no circumstances damage LEDs or other electronics components on the PCB.**

**Further note that optical components shall not be cleaned with any chemicals - only micro fiber cloth may be used to remove fingerprints or other traces from handling.**

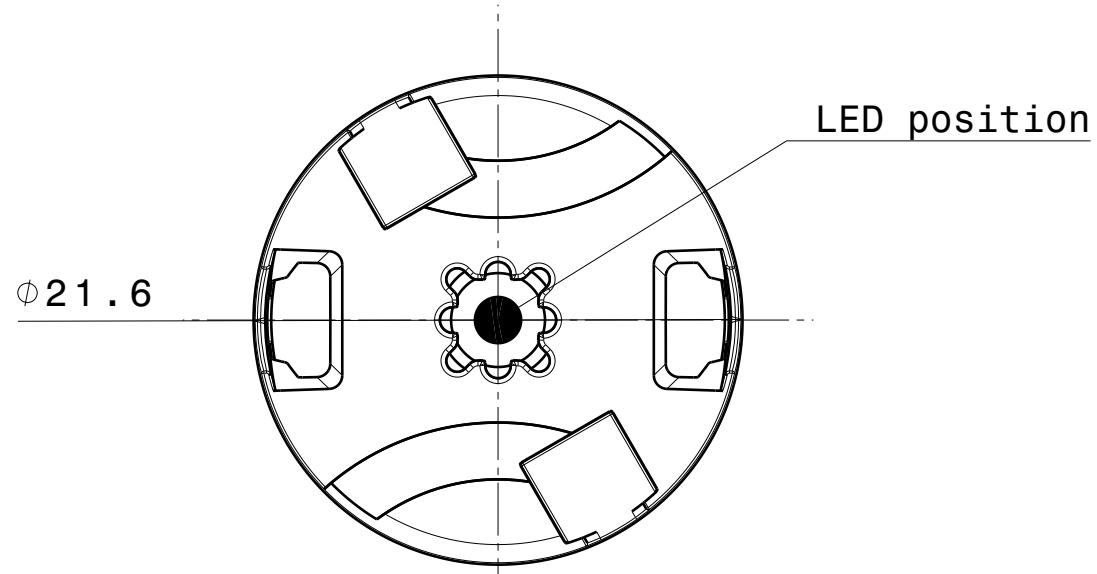
H G F E D C B A



Front view  
Scale: 3:1



Isometric view  
Scale: 3:1



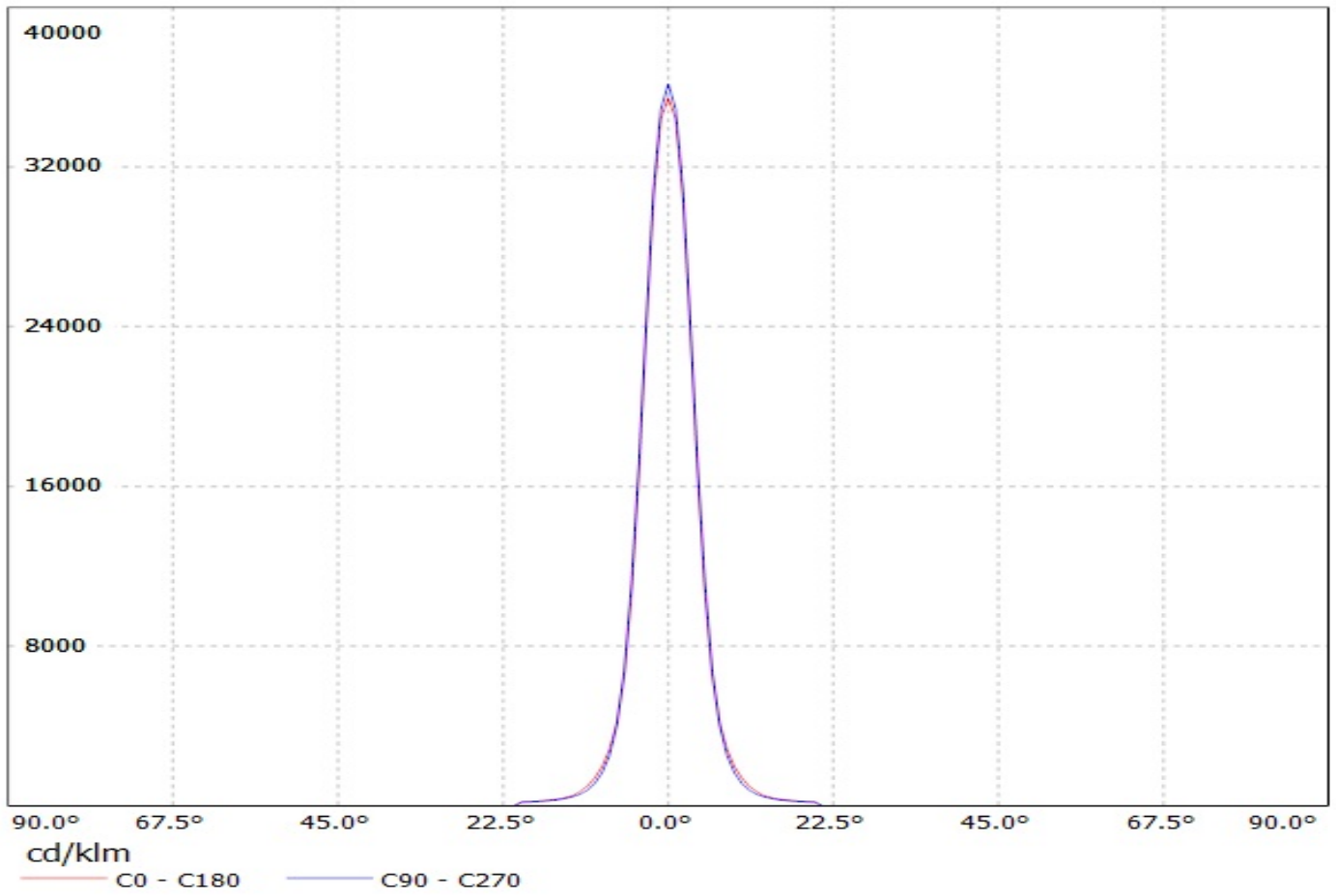
Bottom view  
Scale: 3:1

INDEX	PART NO	MATERIAL	COLOUR
1	Lens	PMMA 8N	
2	Holder	PC Makrolon 2407	white

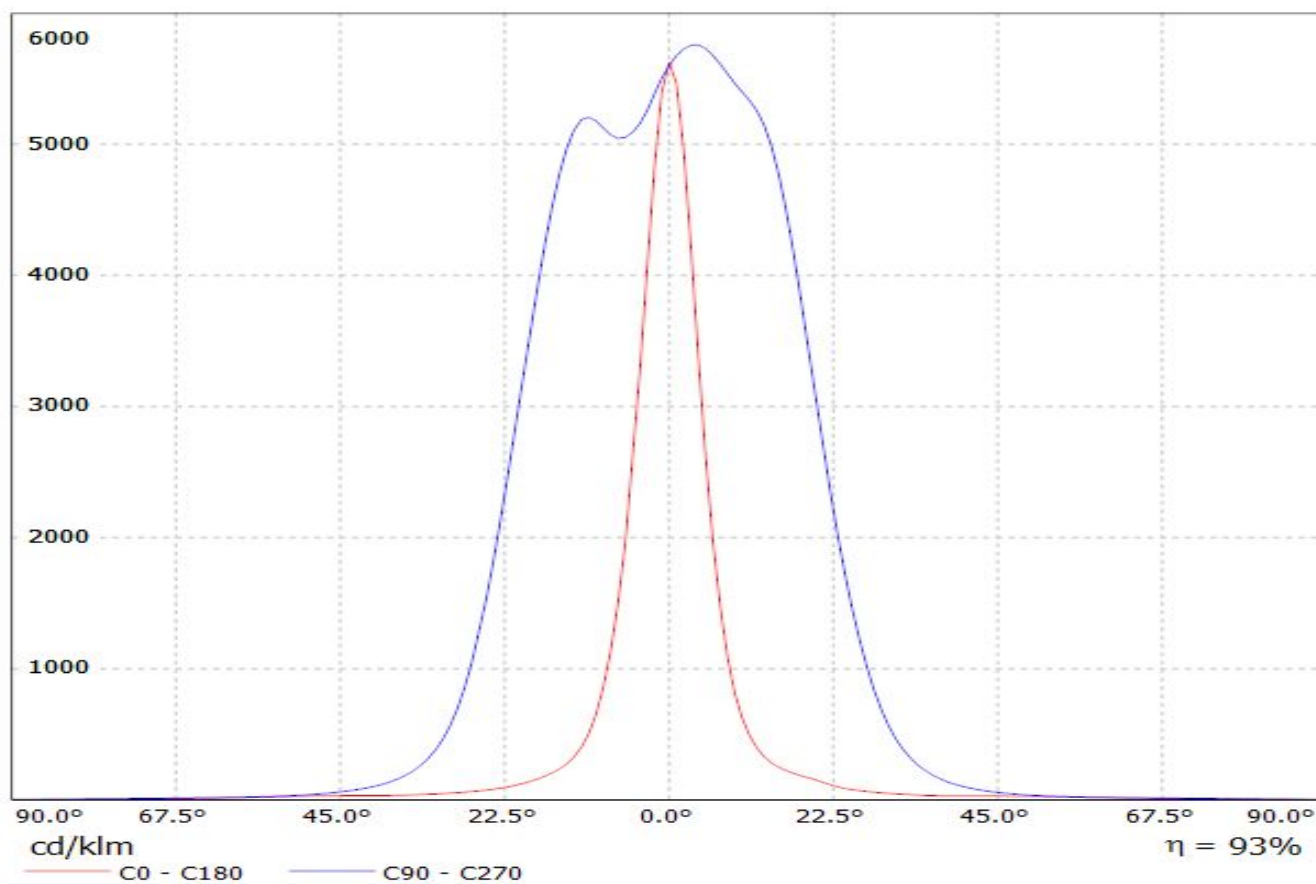
Tolerances if not otherwise shown According to DIN ISO 2768-1 Linear measures: Up to 30mm class F, otherwise class M. According to DIN ISO 2768-2 Form and position: class K		<b>LEDiL</b> LediL Oy Salorankatu 10 FIN 24240 SALO Finland	
THIRD ANGLE PROJECTION:		DRAWING TITLE <b>Datasheet_LXP3-Series</b>	
This drawing is the property of LEDiL Oy. It may not be reproduced, copied or communicated without a written agreement with LEDiL Oy.		SIZE <b>A3</b>	PART NUMBER <b>Datasheet</b>
SCALE	3:1	WEIGHT	7,49 g
		SHEET	1/1

H G B A

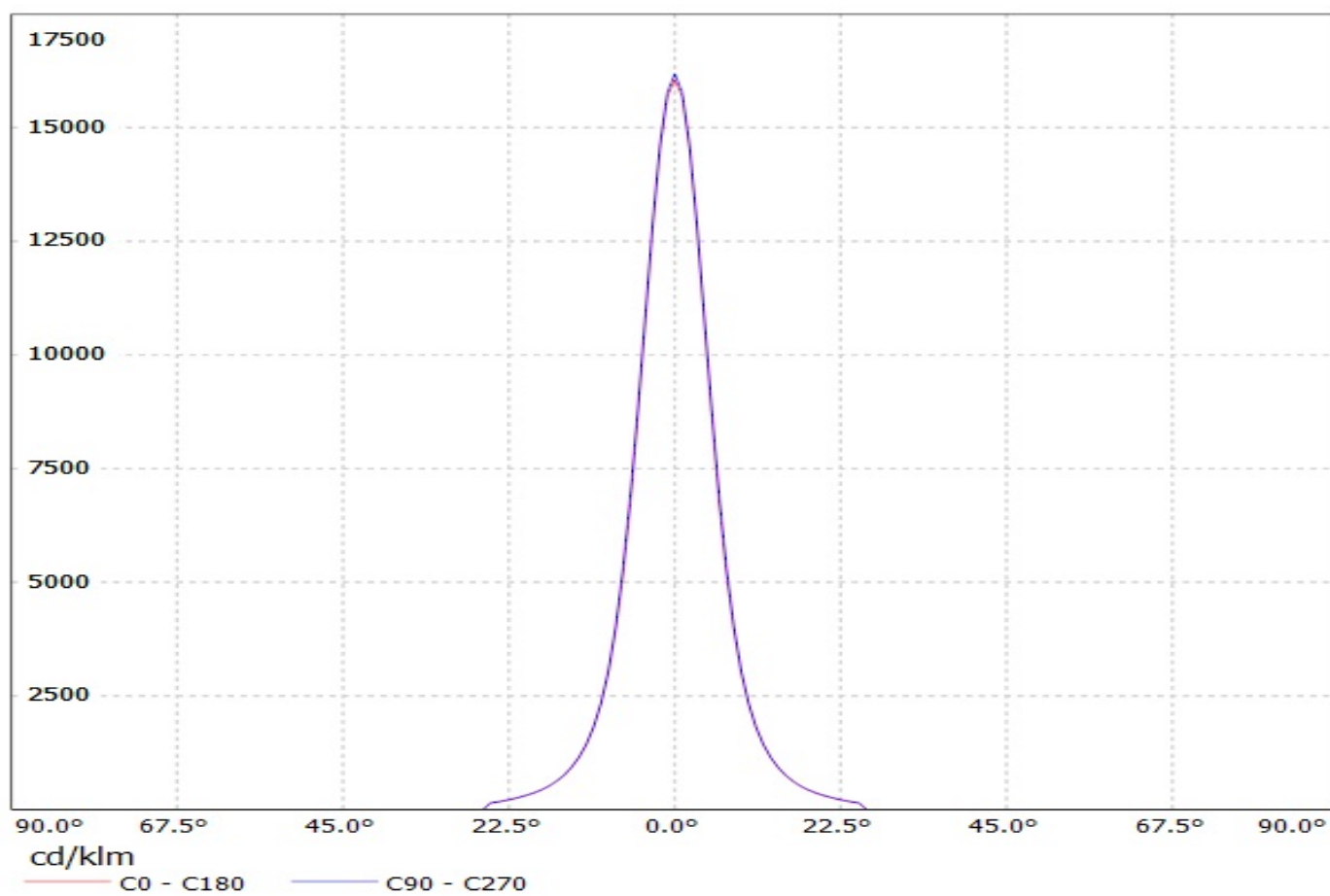
Luminaire: Ledil Oy CP11631\_LXP3-RS-XP-E CP11631\_LXP3-RS-XP-E  
Lamps: 1 x Cree XP-E (White)



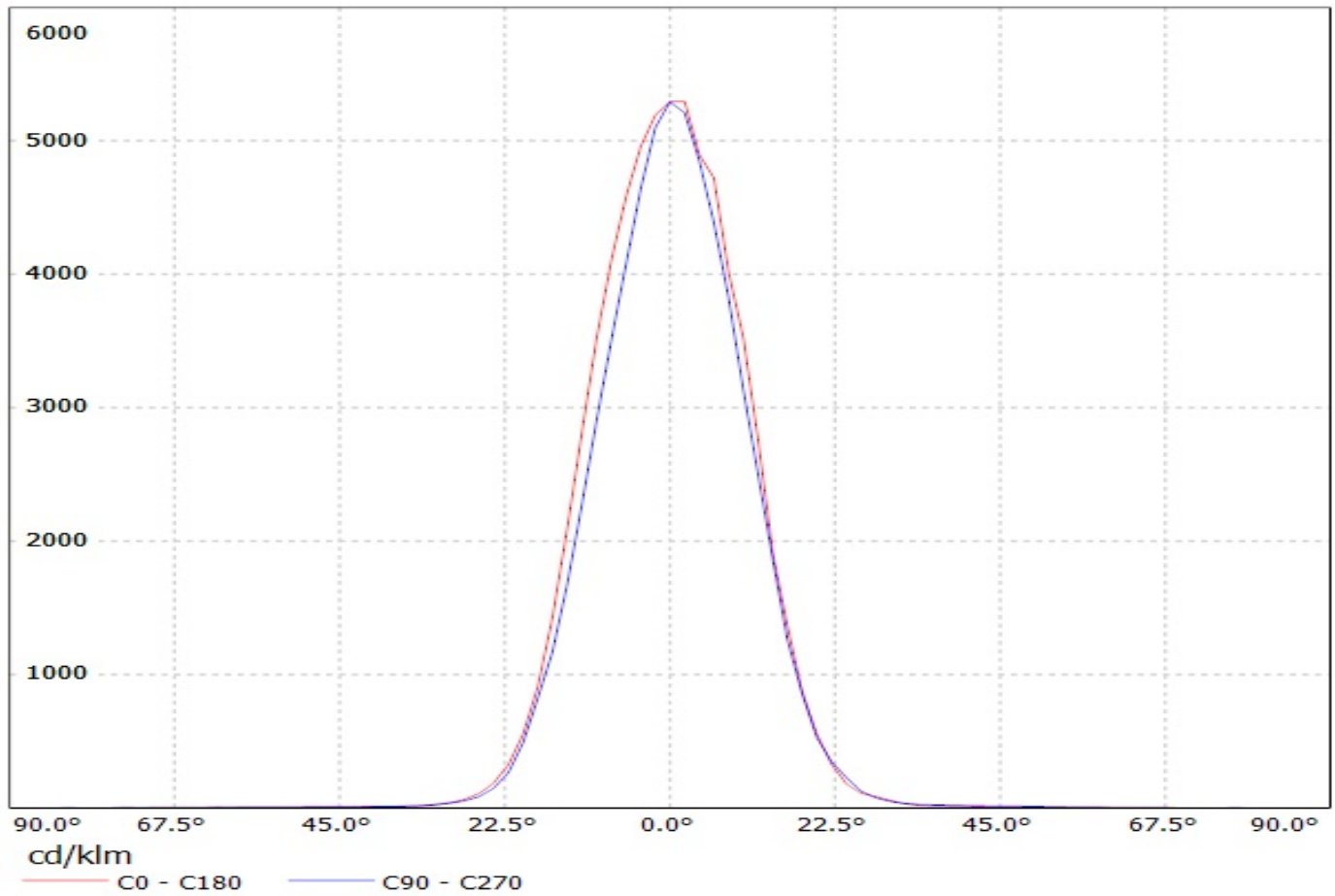
Luminaire: LEDiL Oy CP11634\_LXP3-O-90\_(XP-E) Eff. 93%  
Lamps: 1 x Cree XP-E (50,4lm@250mA) CCT=warm white P=0.8W I=250mA



Luminaire: Ledil Oy CP11632\_LXP3-D-XP-E CP11632\_LXP3-D-XP-E  
Lamps: 1 x Cree XP-E (White)

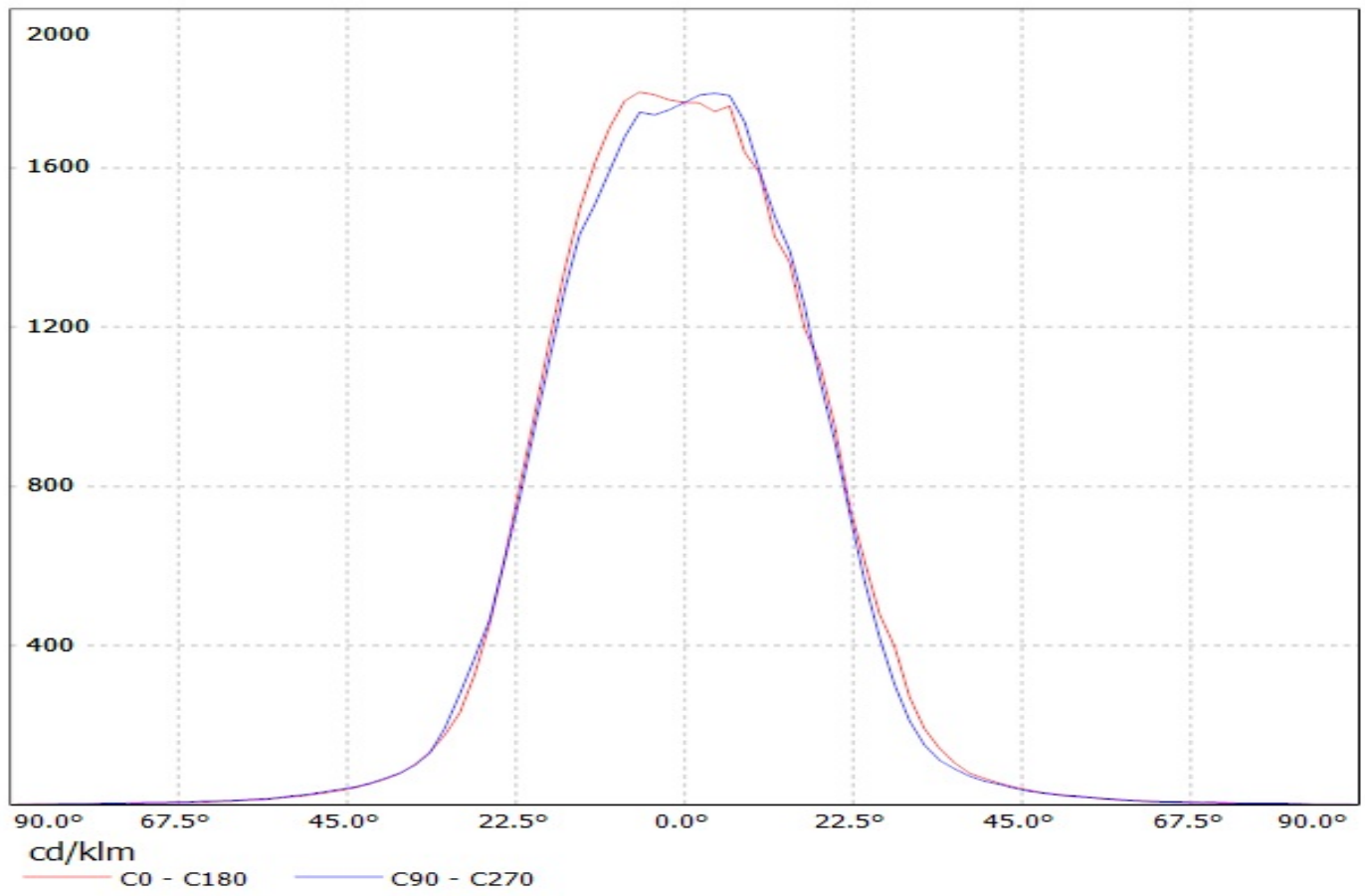


Luminaire: Ledil Oy CP11633\_LXP3-M-XP-E LOR=93%  
Lamps: 1 x Cree XP-E 250mA 77lm

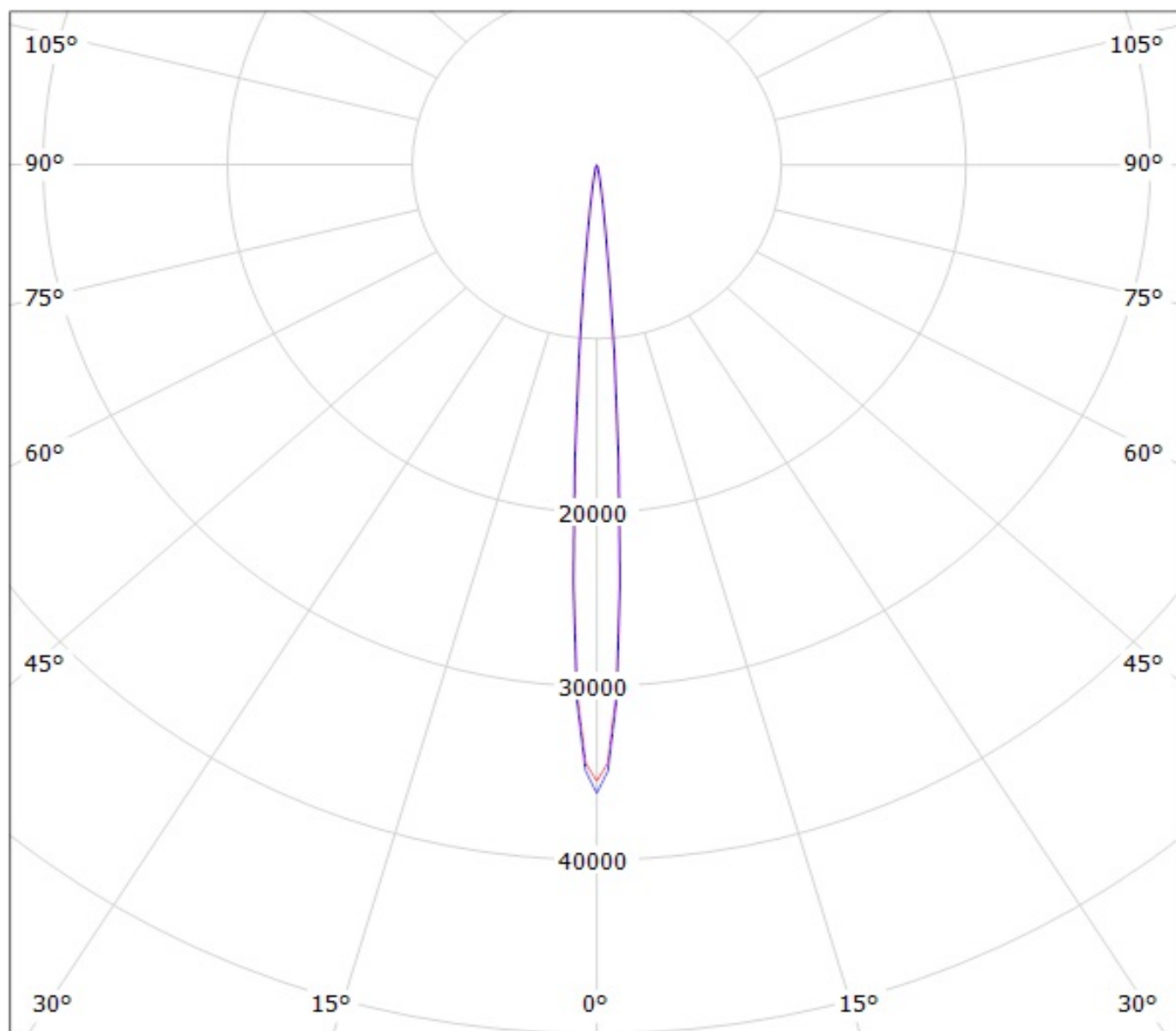




Luminaire: Ledil Oy CP12395\_LXP3-W (Cree XP-E 76lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-E 76lm @ 250mA



Luminaire: Ledil Oy CP11631\_LXP3-RS-XP-E CP11631\_LXP3-RS-XP-E  
Lamps: 1 x Cree XP-E (White)

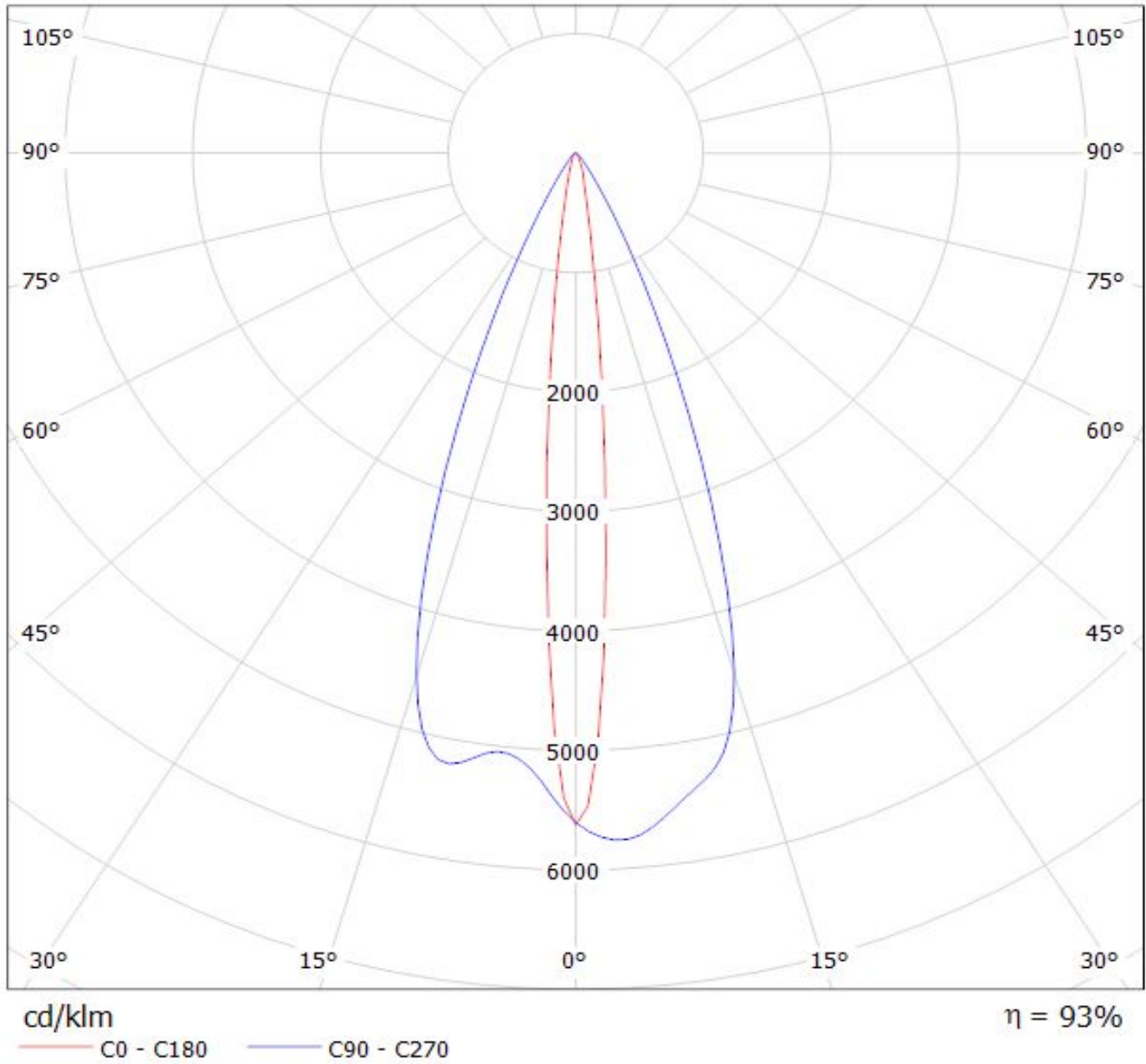


cd/klm

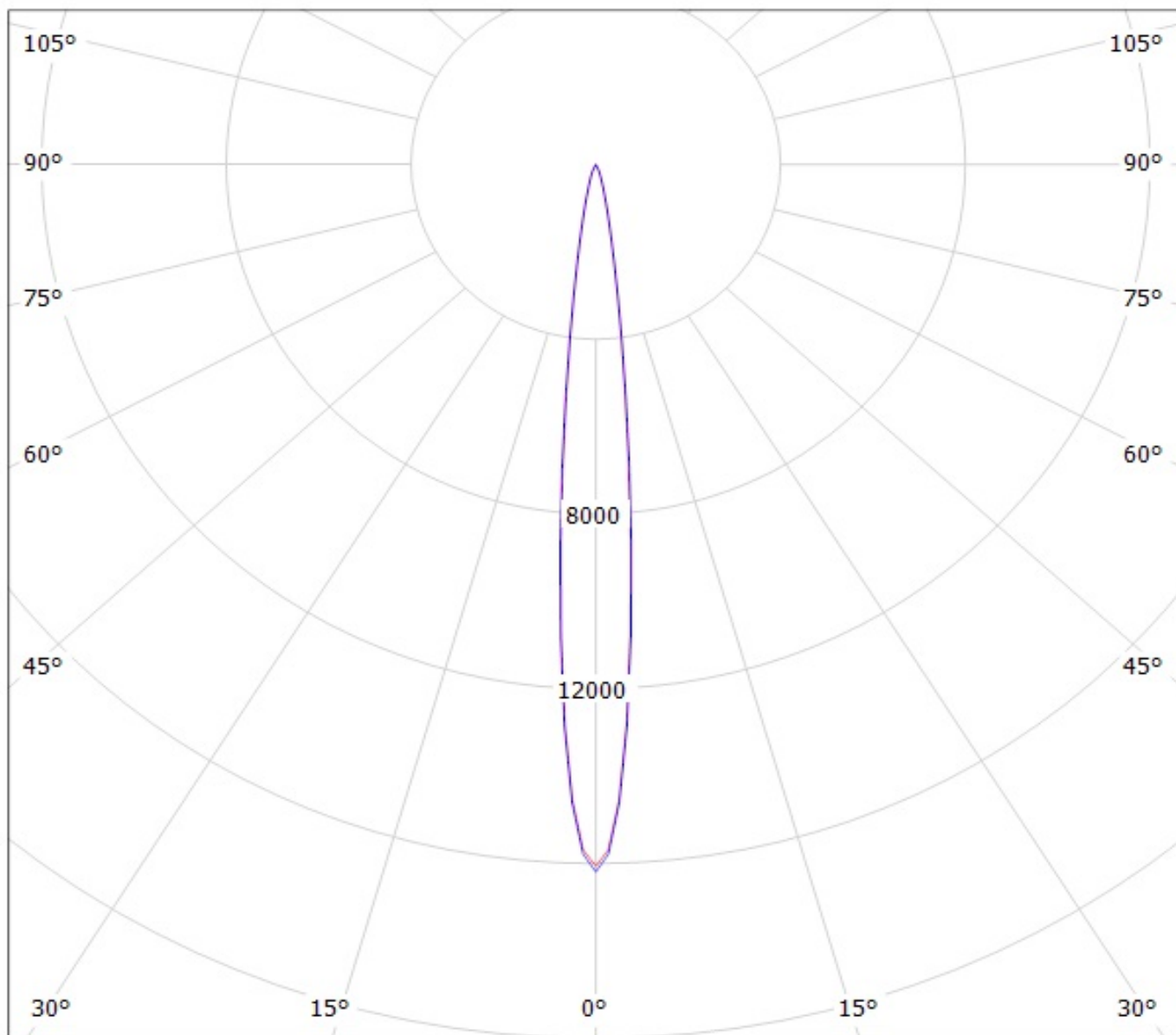
— C0 - C180

— C90 - C270

Luminaire: LEDiL Oy CP11634\_LXP3-O-90\_(XP-E) Eff. 93%  
Lamps: 1 x Cree XP-E (50,4lm@250mA) CCT=warm white P=0.8W I=250mA



Luminaire: Ledil Oy CP11632\_LXP3-D-XP-E CP11632\_LXP3-D-XP-E  
Lamps: 1 x Cree XP-E (White)

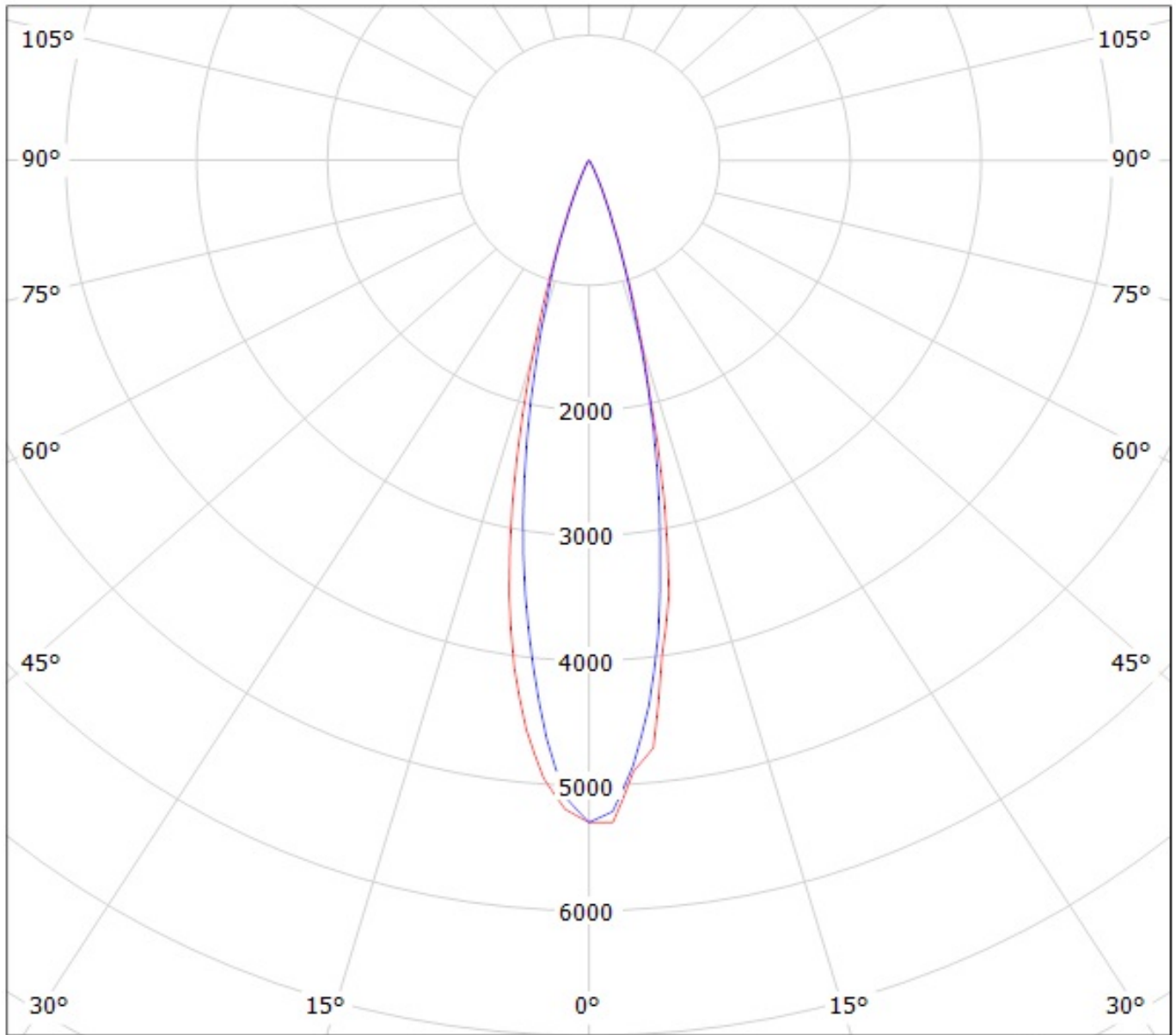


cd/klm

— C0 - C180

— C90 - C270

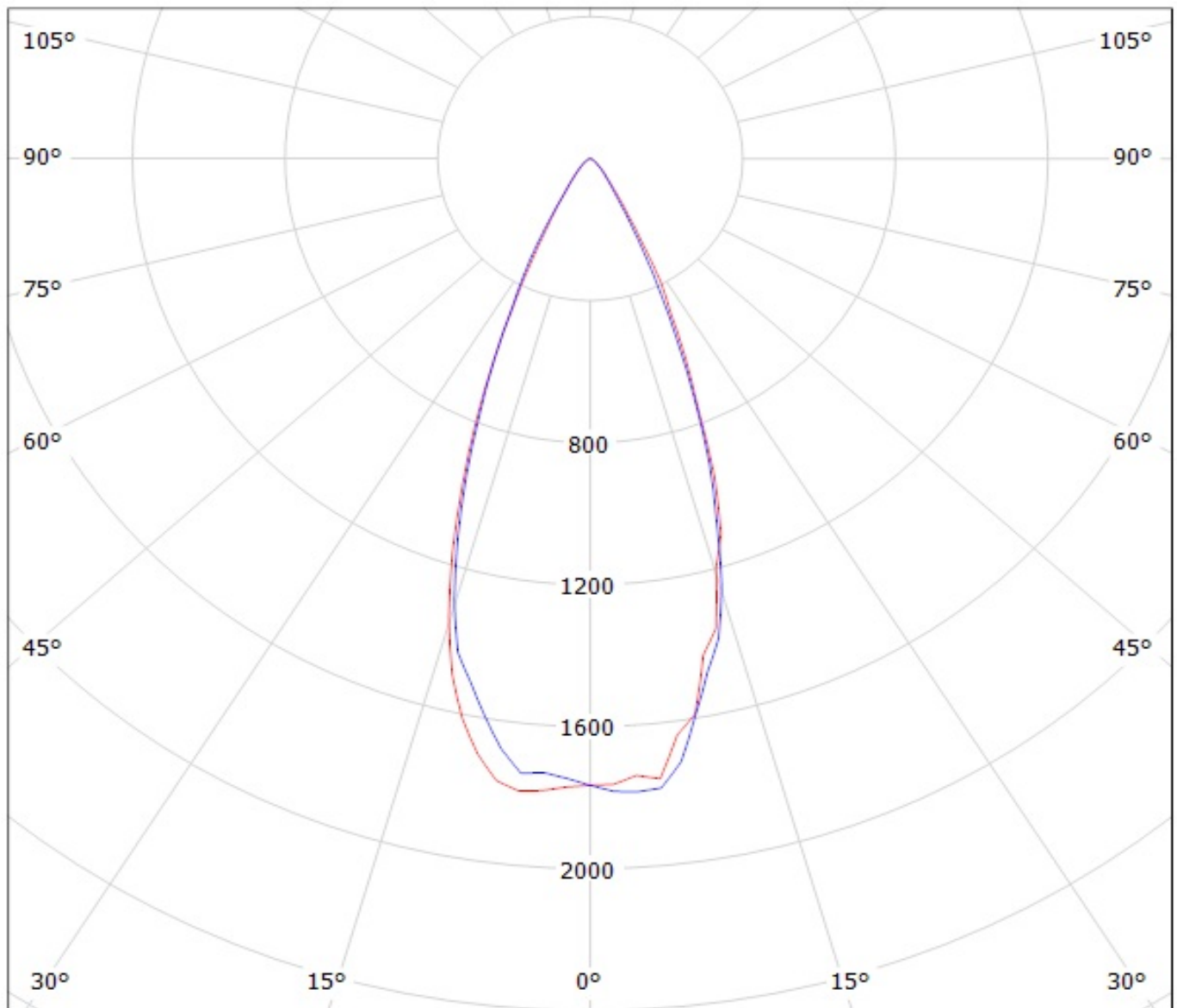
Luminaire: Ledil Oy CP11633\_LXP3-M-XP-E LOR=93%  
Lamps: 1 x Cree XP-E 250mA 77lm



cd/klm

— C0 - C180    — C90 - C270

Luminaire: Ledil Oy CP12395\_LXP3-W (Cree XP-E 76lm @ 250mA) Efficiency=92%  
Lamps: 1 x Cree XP-E 76lm @ 250mA



cd/klm

— C0 - C180

— C90 - C270